

# IP Pools

## Proxmox KVM module **WHMCS**

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IP Pools allow you to manage blocks of IPv4 and IPv6 addresses that are automatically assigned to virtual machines during provisioning.

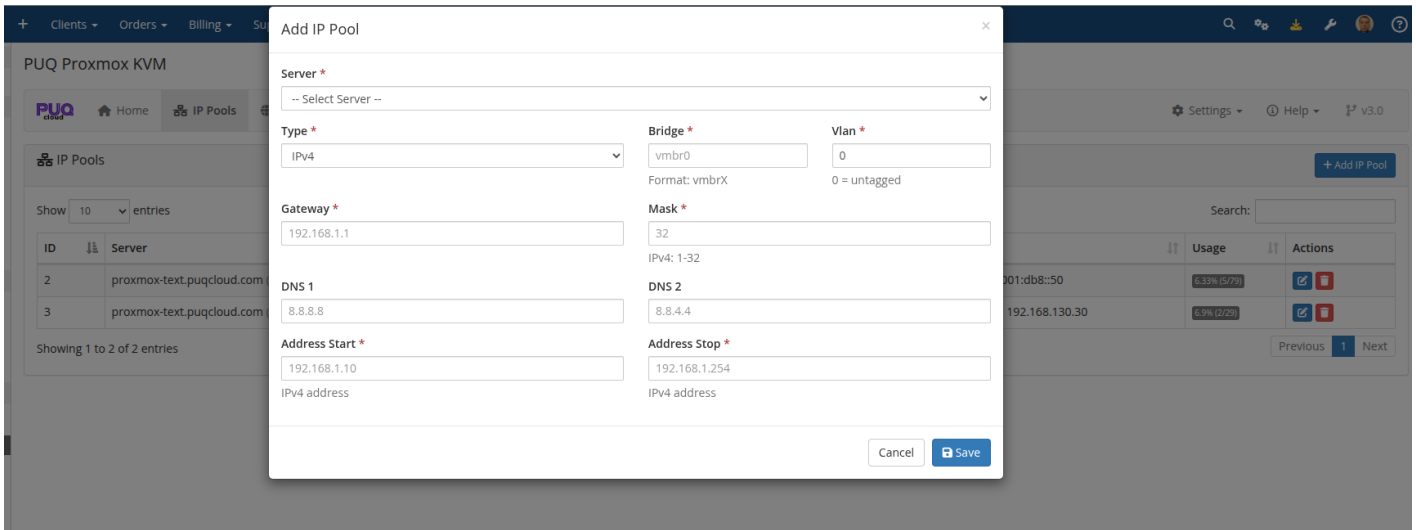
“ **Changed in v3.0.** IP Pools are now a first-class feature of the dedicated `|puq_proxmox_kvm|` addon. In v1.3–v2.x the same pool management lived in the separate **PUQ Customization** addon, which is no longer required — on first activation the new addon **automatically imports** all pools from the legacy `|puq_customization_ip_pools|` tables, including their allocations and per-server assignments. If you are migrating from an older version you do not need to recreate the pools by hand.

“ **Legacy alternative (still supported).** If you prefer not to use pools at all, you can still define the IP addresses directly on the WHMCS server entry using the pipe-delimited **Assigned IP Addresses** format — see [Create new server for Proxmox in WHMCS](#). The server module will pick an IP from whichever source has free entries (pools first, then the legacy list).

## IP Pools List

Navigate to **Addons > PUQ Proxmox KVM > IP Pools** to view all configured pools.



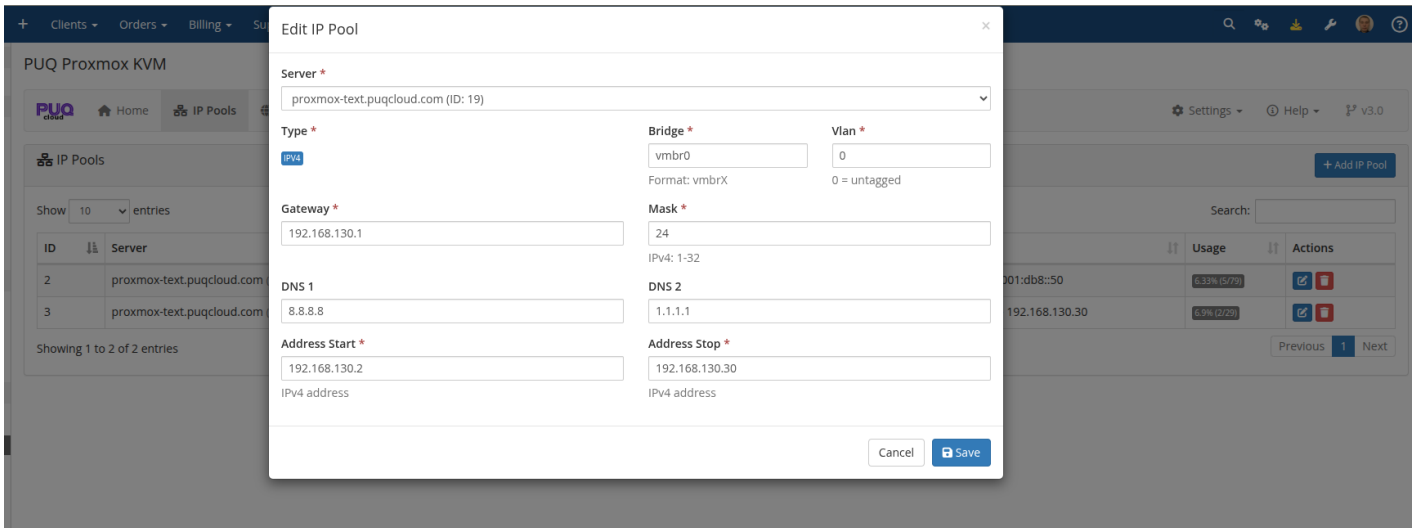


Fill in the following fields:

| Field                | Description                                 | Example         |
|----------------------|---|-----------------|
| <b>Server</b>        | Select the Proxmox server                   | pve-waw1        |
| <b>Type</b>          | IPv4 or IPv6                                | IPv4            |
| <b>Bridge</b>        | Network bridge name                         | vmbr0           |
| <b>Vlan</b>          | VLAN tag (0 for untagged)                   | 0               |
| <b>Gateway</b>       | Default gateway address                     | 192.168.130.1   |
| <b>Mask</b>          | Subnet mask (1-32 for IPv4, 1-128 for IPv6) | 24              |
| <b>DNS 1</b>         | Primary DNS server                          | 8.8.8.8         |
| <b>DNS 2</b>         | Secondary DNS server                        | 1.1.1.1         |
| <b>Address Start</b> | First IP in the range                       | 192.168.130.2   |
| <b>Address Stop</b>  | Last IP in the range                        | 192.168.130.254 |

# Editing an IP Pool

Click the **Edit** button next to any pool to modify its settings.



“ **Note:** Modifying a pool does not affect already-assigned IP addresses. Changes only apply to new allocations.

## IP Allocation Process

IPs are automatically allocated from pools during VM provisioning when:

1. The server has no assigned IPs configured in WHMCS server settings
2. The addon module is installed and activated
3. The product's network configuration has **Auto bridge/VLAN** enabled

The system selects IPs from pools matching the server associated with the product. IPv4 and IPv6 addresses are allocated from separate pools.

## Validation Rules

- Bridge must be a valid Proxmox bridge name
- Gateway must match the pool type (IPv4 for IPv4 pools, IPv6 for IPv6 pools)
- Server must be a valid Proxmox server configured in WHMCS
- Address range must be valid for the given type

Revision #7

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